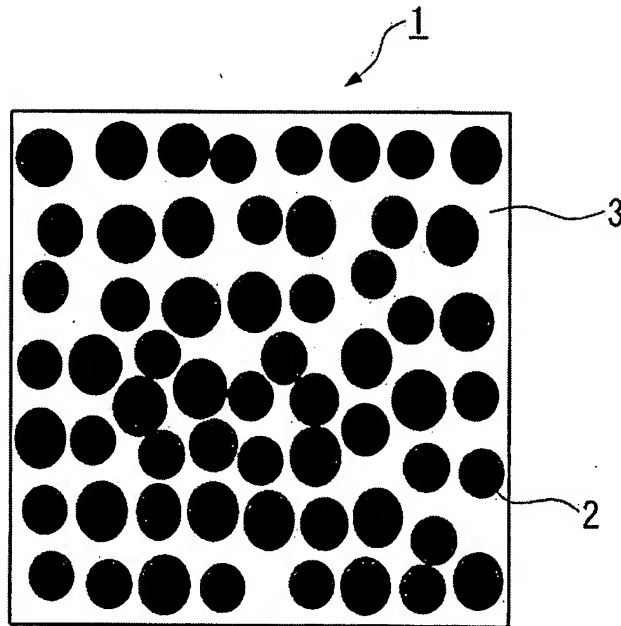
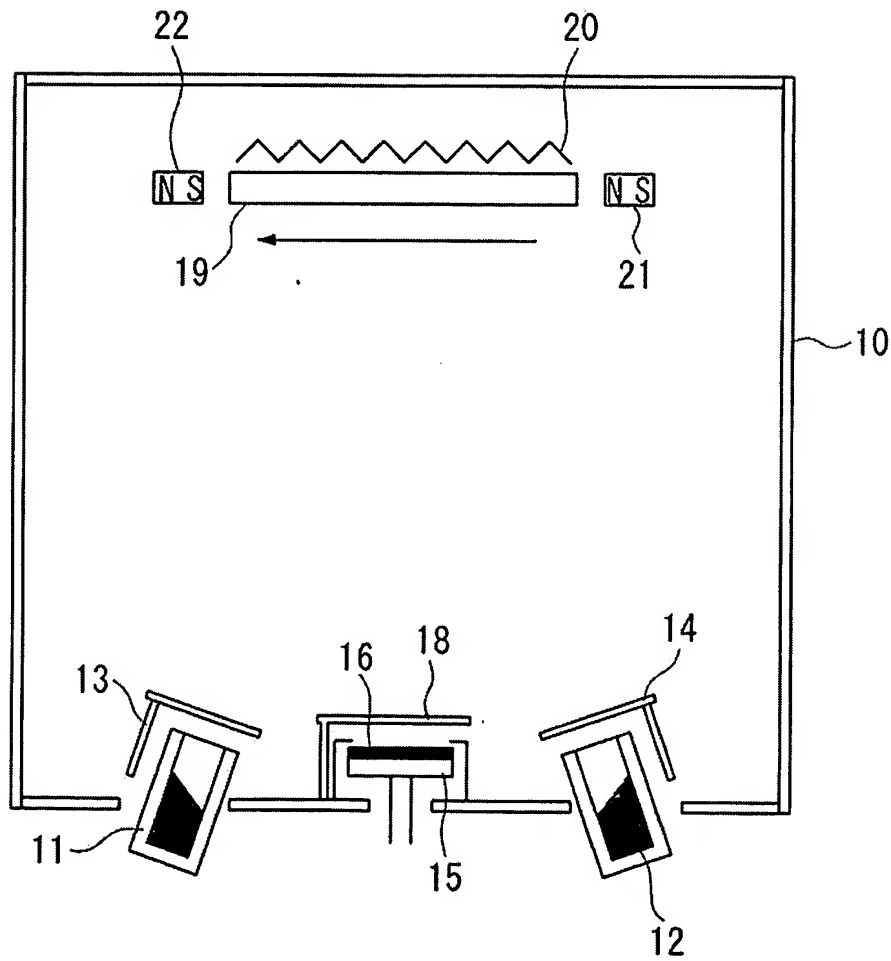


FIG. 1



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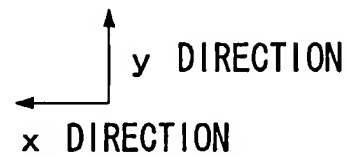
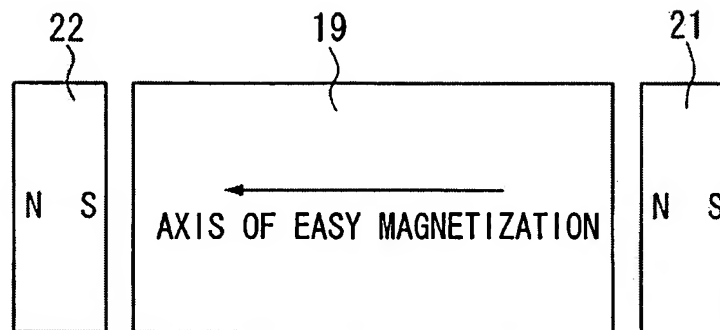
FIG. 2



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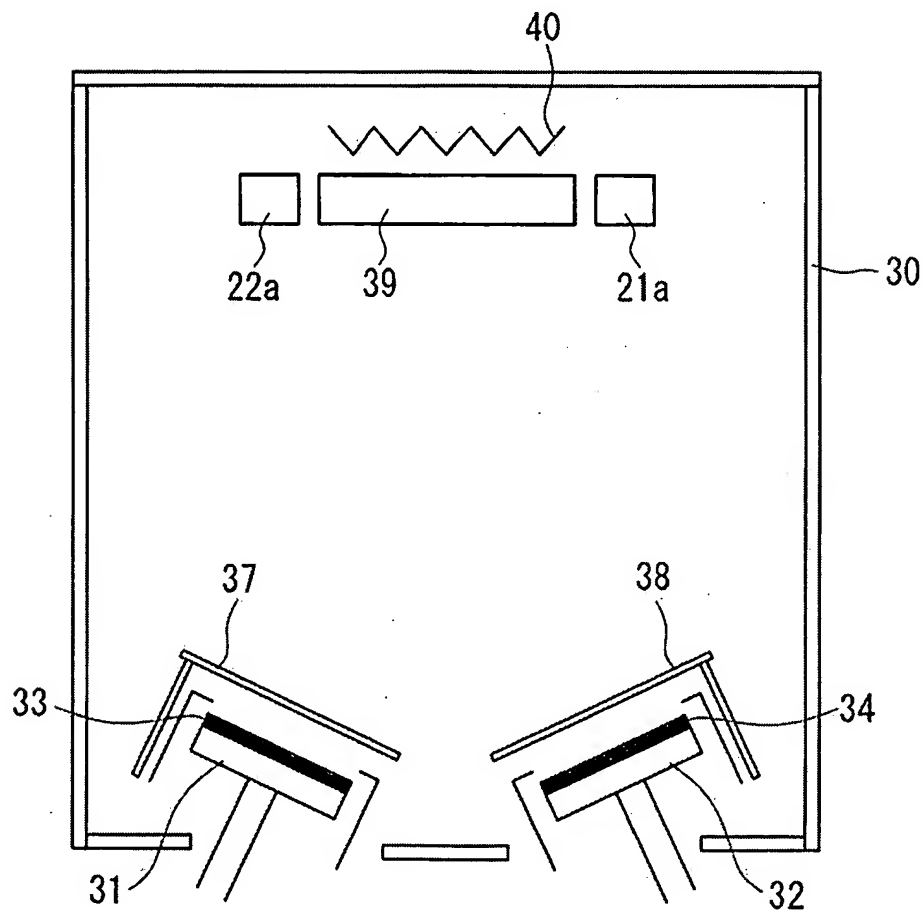
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FIG. 3



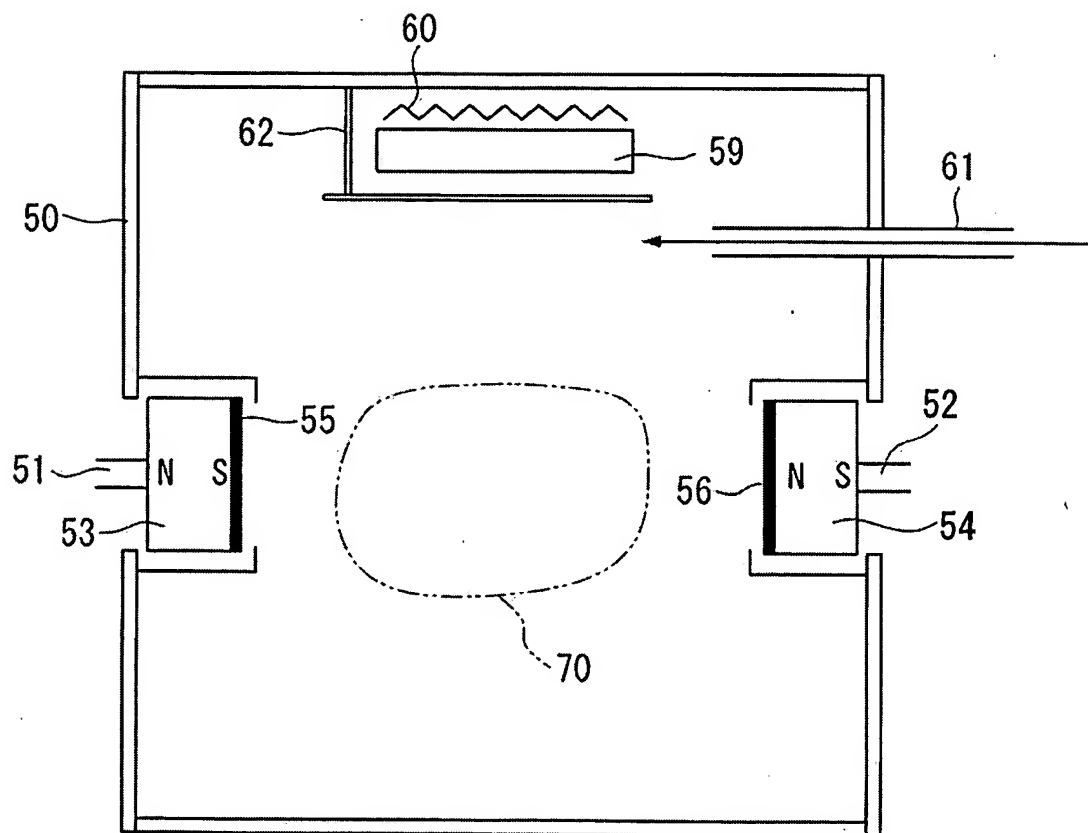
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FIG. 4



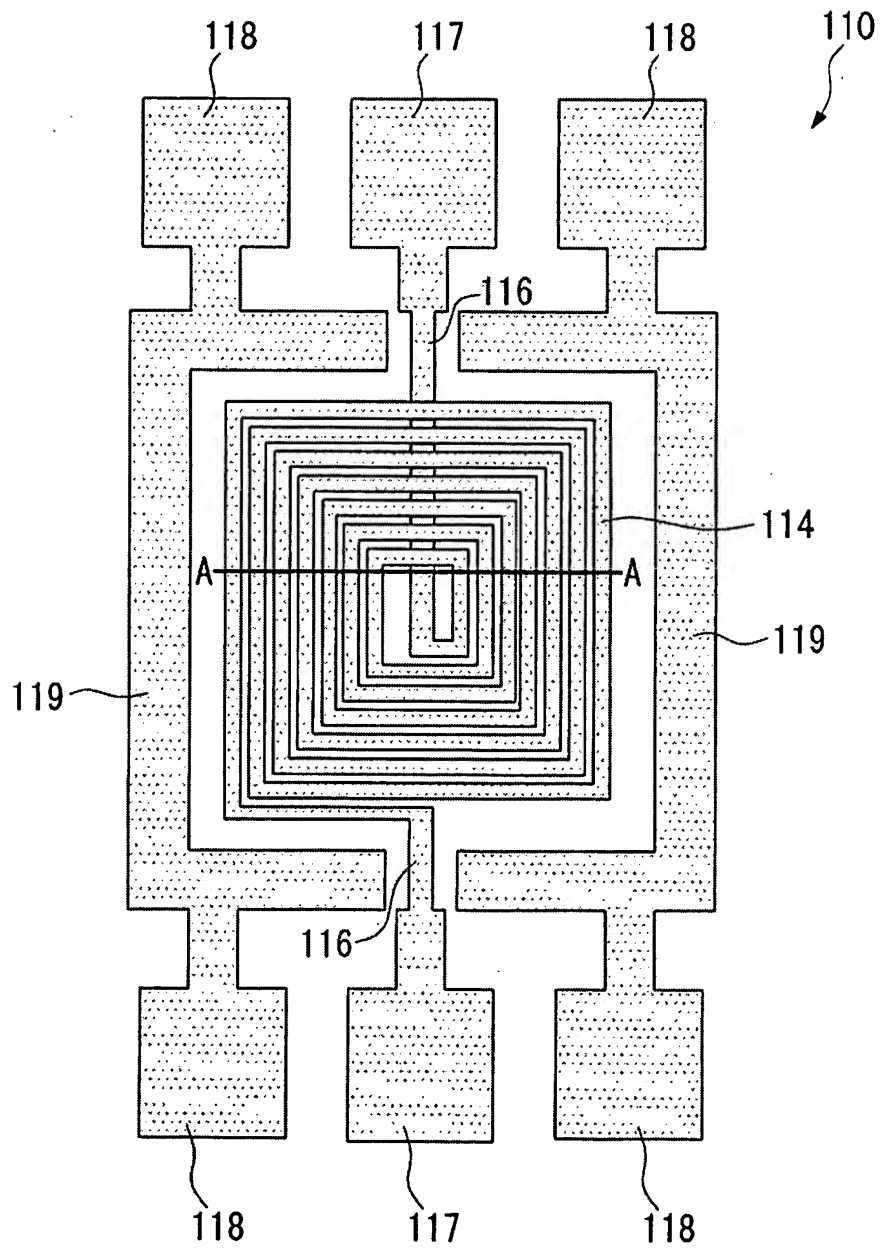
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FIG. 5



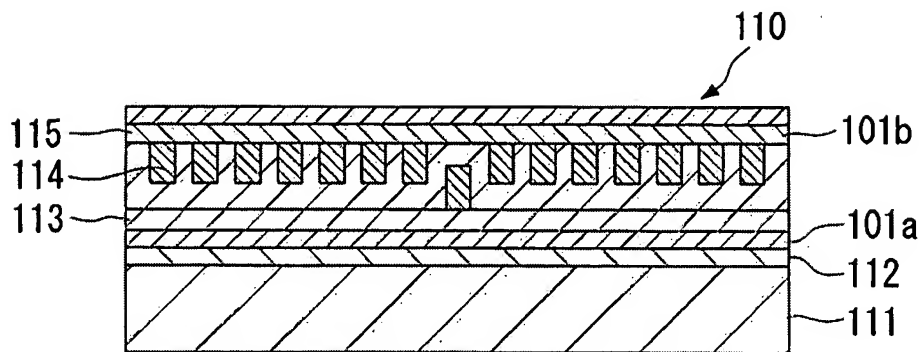
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FIG. 6



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FIG. 7



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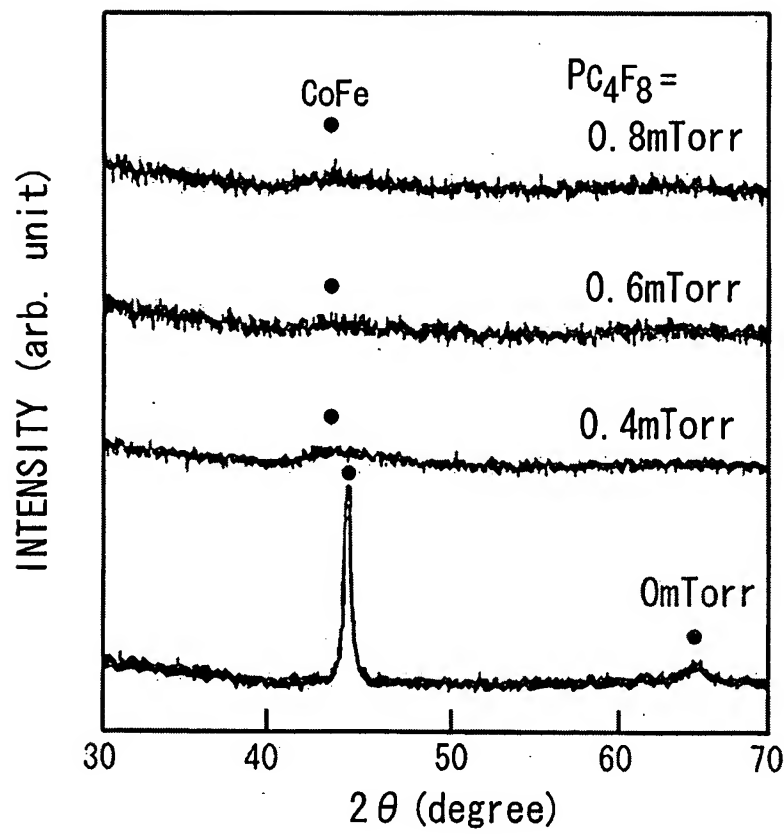
FIG. 8

SAMPLES	PARTIAL PRESSURE OF C <sub>4</sub> F <sub>8</sub> GAS (mTorr)	VOLUME RATIO OF MATRIX (vol%)	$\rho$ ( $\mu \Omega \text{ cm}$ )	MAGNETIC PROPERTIES			PERMEABILITY PROPERTIES AT HIGH FREQUENCIES				REMARKS
				Bs (T)	Hce (Oe)	Hch (Oe)	RESONANCE FREQUENCY (GHz)	$\mu'$ (at 1GHz)	$\mu''$ (at 1GHz)	Q (at 1GHz)	
1	0	0	60	2.20	144.0	35.0	>>2.0	—	—	—	COMPARATIVE EXAMPLE
2	0.4	10	440	1.25	16.5	12.6	>>2.0	100	15	7	PRESENT INVENTION
3	0.6	16	790	0.94	16.0	14.5	>>2.0	70	15	5	PRESENT INVENTION
4	0.8	24	2190	0.61	22.6	7.1	>>2.0	50	10	5	PRESENT INVENTION
5	1.0	26	2020	0.54	14.3	9.0	>>2.0	50	10	5	PRESENT INVENTION



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FIG. 9



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FIG. 10B

$\text{PC}_4\text{F}_8 = 0.8 \text{ mTorr}$

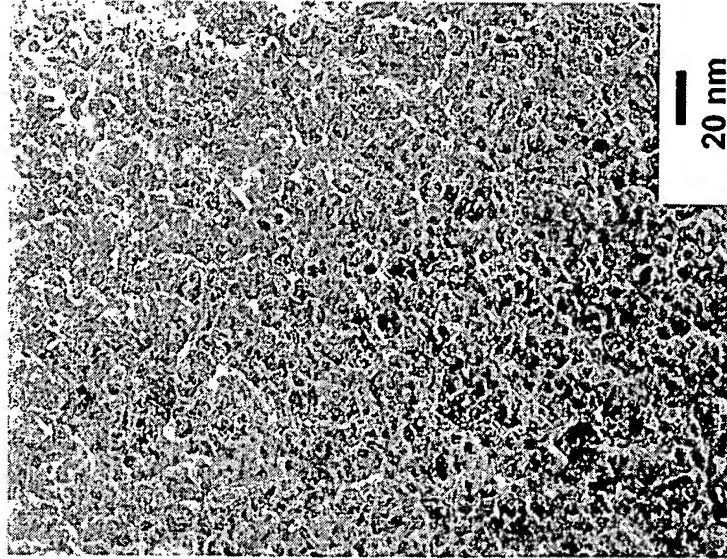
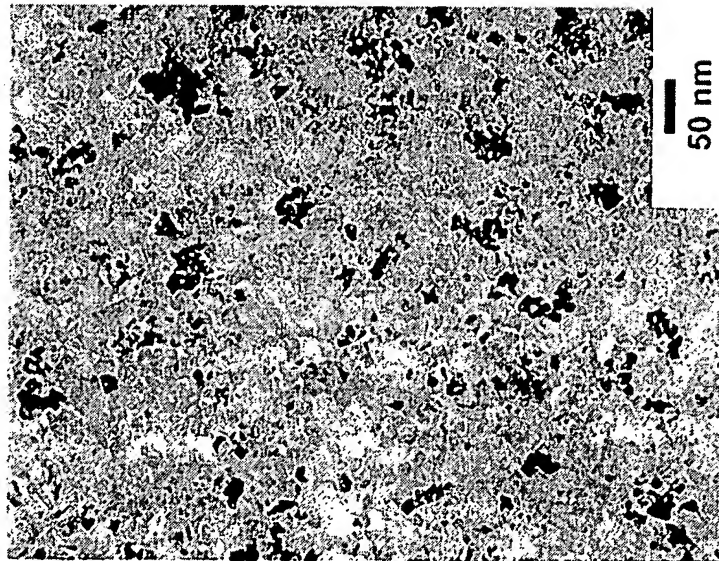


FIG. 10A

$\text{PC}_4\text{F}_8 = 0.4 \text{ mTorr}$



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FIG. 11

